



## 180GarnetScissor

Shifter55 -

Angles for R.I. = 1.720

35 + 8 girdles = 43 facets

2-fold mirror-image symmetry

96 index

$L/W = 1.800$   $T/W = 1.239$   $U/W = 0.469$

$P/W = 0.457$   $C/W = 0.223$

$Vol./W^3 = 0.765$

## Pavilion

G1	90.00	12-24-36-60-72-84
G2	90.00	96-48
P1	58.15	12-24-36-60-72-84
P2	49.00	96-48
P3	38.00	96-48
P4	42.00	01-47-49-95

ECED cut to L/W ratio

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Cut to CTP

Level girdle

Cut a step to meet P1 corners

Meet girdle, note that P1 ends, P3 do not meet

## Crown

C1	77.50	96-48
C2	48.00	24-72
C3	37.00	12-36-60-84
C4	37.00	22-26-70-74
C5	37.00	04-44-52-92
C6	10.50	96-48
C7	31.73	24-72
T	0.00	Table

Level girdle

Level girdle

Level girdle

Meet C2,C3

Meet C1,C3

Meet C1, poor meets affect diamond evenness

Meet C2

Meet C3,C6,C7

After seeing henk prin do a scissor cut I wanted to try one based on those windowed scissors you sometimes see sphere cut as. Given the steep facets on the long sides it's best to set this on the corners or ends. Suitable for RI= 1.72 and up